

1 A MEMORIAL

2 REQUESTING THE PUBLIC EDUCATION DEPARTMENT TO LEAD A
3 COMPREHENSIVE SCIENCE, TECHNOLOGY, ENGINEERING AND
4 MATHEMATICS EDUCATION-TO-CAREER PIPELINE STUDY, INCLUDING
5 HIGH-QUALITY PROFESSIONAL DEVELOPMENT FOR TEACHERS, AND
6 REPORT FINDINGS AND RECOMMENDATIONS TO THE GOVERNOR AND THE
7 LEGISLATURE.

8
9 WHEREAS, in 2019, as in previous years, core-subject
10 proficiency levels across the state were extremely low, with
11 data showing that in grades three through twelve, thirty-five
12 percent of students were proficient in science, thirty-three
13 percent were proficient in reading and twenty percent were
14 proficient in mathematics; and

15 WHEREAS, science, technology, engineering and
16 mathematics jobs are in high demand in New Mexico and in the
17 United States; and

18 WHEREAS, public schools and public post-secondary
19 educational institutions both offer career readiness programs
20 that develop students' communication, critical thinking and
21 time management skills as well as emotional intelligence and
22 that enable students to enter directly into the workforce
23 after graduation, not just for entry-level work, but for
24 career success in the long term; and

25 WHEREAS, the early childhood education and care

1 department, public education department, higher education
2 department and workforce solutions department have
3 established "RISE NM", research informing success in
4 education, to create a centralized resource that will be used
5 to inform policy and close gaps as students transition from
6 each phase of their education and into the workforce; and

7 WHEREAS, to be effective, science, technology,
8 engineering and mathematics teachers need professional
9 development that is content-focused, incorporates active
10 learning and supports collaboration and coaching, and that
11 professional development must be sustained over time,
12 providing repeat opportunities for feedback and reflection;
13 and

14 WHEREAS, for ongoing professional development to produce
15 high-quality science, technology, engineering and
16 mathematics-focused teachers who stay in the classroom,
17 public schools and public post-secondary educational
18 institutions must work collaboratively to strategically
19 support and implement a professional development system that
20 fills in gaps in knowledge and sustains educator growth; and

21 WHEREAS, for students, extended learning encompasses
22 programs and strategies that are implemented to increase the
23 amount of instruction and learning, including in- and after-
24 school and summer programs, and that provide an opportunity
25 for science, technology, engineering and mathematics-focused

1 additional time, which can be beneficial to students, but
2 only if that time is spent in ways that maximize teaching and
3 learning; and

4 WHEREAS, the development of research on evidence-based
5 programs is critical to determine the most effective extended
6 learning programs in science, technology, engineering and
7 mathematics;

8 NOW, THEREFORE, BE IT RESOLVED BY THE HOUSE OF
9 REPRESENTATIVES OF THE STATE OF NEW MEXICO that the public
10 education department, the higher education department and the
11 workforce solutions department be requested to conduct a
12 comprehensive science, technology, engineering and
13 mathematics education-to-career pipeline study, which
14 includes an inventory of current programs and initiatives;
15 and

16 BE IT FURTHER RESOLVED that the departments provide the
17 inventory to the legislative finance committee and the
18 legislative education study committee by September 1, 2023;
19 and

20 BE IT FURTHER RESOLVED that the public education
21 department be requested to work with the higher education
22 department and the workforce solutions department to address
23 the statewide science, technology, engineering and
24 mathematics teacher shortage crisis and to build a highly
25 qualified, effective and diverse science, technology,

1 engineering and mathematics teacher workforce; and

2 BE IT FURTHER RESOLVED that the public education
3 department report the findings and recommendations of the
4 study and the plan for a science, technology, engineering and
5 mathematics education-to-career pipeline to the governor and
6 the legislature by December 1, 2023; and

7 BE IT FURTHER RESOLVED that copies of this memorial be
8 transmitted to the governor; the chair of the legislative
9 education study committee; the chair of the legislative
10 finance committee; the secretary of public education for
11 distribution to local superintendents; the secretary of higher
12 education for distribution to public post-secondary
13 educational institutions; and the secretary of workforce
14 solutions. _____

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